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World Transit Research

World Transit Research Newsletter

10-2019
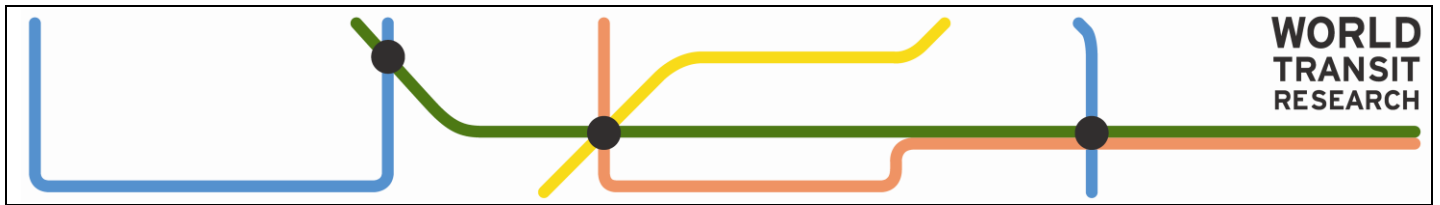
World Transit Research October 2019 Newsletter

Institute of Transport Studies Monash University

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World Transit Research

October 2019 Newsletter

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WTR is now used by public transport researchers in over 8,000 cities and towns in 170 countries worldwide.

BACKGROUND

World Transit Research (WTR) is designed to help public transport practitioners and researchers get easier access to quality research in the field of public transport planning. WTR is a free repository of research papers, reports, research abstracts and links to research findings from leading research journals indexed and searchable to ensure easier access to topics of interest. The site is developed and run by the Public Transport Research Group at the Institute of Transport Studies, Monash University. The clearinghouse performs the following functions:

- Search/Find – The database is searchable on key words and also via a list of subject areas
- Newsletter Subscription – Those accessing the website can enrol in a free email newsletter. This broadcasts new publications in the field every 2 months
- Links – links to relevant associated sites are provided
- Submit Research – Researchers can use the website to suggest items for inclusion in the database. Copyright requirements are described.

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Your recommendation can help grow our number of subscribers. Do you know someone interested in public transport research that would like to receive this newsletter? Ask them to go to http://www.worldtransitresearch.info/ and enter their email address in the box provided under Newsletter.

NEW ADDITIONS

World Transit Research clearinghouse now includes some 7,515 research reports/papers. Some 94 published papers have been added. The new ones are listed in the attached table. In addition new journals and relevant papers are also occasionally added from previous publication records.

CONTRIBUTE YOUR RESEARCH AND INCREASE YOUR CITATIONS

Should you have any relevant papers that you think should be included in this repository, please log on to www.worldtransitresearch.info and click on the Submit Research icon. The WTR Clearinghouse is a very effective tool to increase author citations of research since it acts to publicise your research to those interested in this field.

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AUTHOR	TITLE	CATEGORY
G Kash	Vision Dissonance: Conflicting Conceptions of Bus Sariri	Planning
J Soza-Parra, S Raveau, J Muñoz, O Cats	The underlying effect of public transport reliability on users' satisfaction	Planning
C Park, J Lee, S Sohn	Recommendation of feeder bus routes using neural network embedding-based optimization	Planning
P Melo, N Sobreira, P Goulart	Estimating the long-run metro demand elasticities for Lisbon: A time-varying approach	Planning
J Ingvardson, O Nielsen	The relationship between norms, satisfaction and public transport use: A comparison across six European cities using structural equation modelling	Planning
N Nassir, M Hickman, Z Ma	A strategy-based recursive path choice model for public transit smart card data	Planning
A Khani	An online shortest path algorithm for reliable routing in schedule-based transit networks considering transfer failure probability	Planning
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S Carosi, A Frangioni, L Galli, L Girardi, G Vallese	A matheuristic for integrated timetabling and vehicle scheduling	Planning
B Yao, C Chen, L Zhang, T Feng, B Yu, Y Wang	Allocation method for transit lines considering the user equilibrium for operators	Planning
T Ma, S Rasulkhani, J Chow, S Klein	A dynamic ridesharing dispatch and idle vehicle repositioning strategy with integrated transit transfers	Planning
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H Suman, N Bolia	Improvement in direct bus services through route planning	Planning
M Rahman, S Yasmin, N Eluru	Controlling for endogeneity between bus headway and bus ridership: A case study of the Orlando region	Planning
J Allen, J Muñoz, J de Dios Ortúzar	Understanding public transport satisfaction: Using Maslow's hierarchy of (transit) needs	Planning
P Carroll, B Caulfield, A Ahern	Measuring the potential emission reductions from a shift towards public transport	Planning
M Osman	Uncertainty modeling for bus selection and allocation in a private transportation system	Planning
X Zhang, Q Zhang, T Sun	Performance evaluation and obstacle factors analysis of urban public transport priority	Planning
Transportation Research Board	New IDEAs for Rail Safety: Annual Report of the Rail Safety IDEA Program	Planning
A Zalewski, D Sonenklar, A Cohen, J Kressner, G Macfarlane	Public Transit Rider Origin–Destination Survey Methods and Technologies*	Planning
D Boyle	Transit Service Evaluation Standards*	Planning
S Cornet, C Buisson, F Ramond, P Bouvarel, J Rodriguez	Methods for quantitative assessment of passenger flow influence on train dwell time in dense traffic areas	Planning
Y Zheng, W Li, F Qiu, H Wei	The benefits of introducing meeting points into flex-route transit services	Planning
C Zhang, X Cao, A Nagpure, S Agarwal	Exploring rider satisfaction with transit service in Indore, India: an application of the three-factor theory	Planning
C Häll, A Ceder, J Ekström, N Quttineh	Adjustments of public transit operations planning process for the use of electric buses	Planning
J Arriagada, A Gschwender, M Munizaga, M Trépanier	Modeling bus bunching using massive location and fare collection data	Planning
A Steinfeld, L Bloomfield, S Amick, Y Huang, W Odom, Q Yang, J Zimmerman	Increasing Access to Transit: Localized Mobile Information	Planning
C Forinash	Strategic Communications Toolkit to Improve Support for Transit-Priority Projects*	Planning
D Valentine, A Polinori, M Windholtz, B Gibbs, D Neumeister, G Baumgarden, B Paselsky	Connected Vehicle (CV) Infrastructure – Urban Bus Operational Safety Platform Project Report*	Planning
L Byala, K Filardo, O Hirsch, M Walk, J Cardenas, J Hwang	Comprehensive Bus Network Redesigns*	Planning
H Kaymaz, H Korkmaz, H Erdal	Development of a driving cycle for Istanbul bus rapid transit based on real-world data using stratified sampling method	Planning
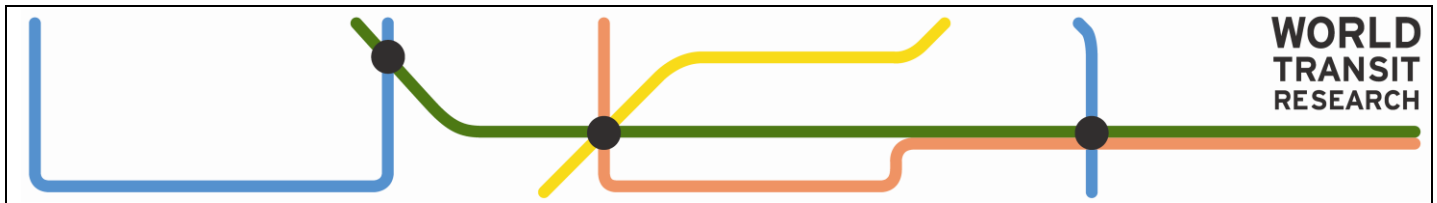
S Hao, D Lee, D Zhao	Sequence to sequence learning with attention mechanism for short-term passenger flow prediction in large-scale metro system	Planning
Y Su, X Liu, G Lu, W Fan	Optimal Design of Bus Routes for Different Vehicle Types Considering Various Driving Regimes and Environmental Factors	Planning
P Ranjitkar, L Tey, E Chakravorty, K Hurley	Bus Arrival Time Modeling Based on Auckland Data	Planning
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A Itani, A Aboudina, E Diab, S Srikukenthiran, A Shalaby	Managing Unplanned Rail Disruptions: Policy Implications and Guidelines Towards an Effective Bus Bridging Strategy	Planning
R Chapleau, P Gaudette, T Spurr	Application of Machine Learning to Two Large-Sample Household Travel Surveys: A Characterization of Travel Modes	Planning
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J Högdahl, M Bohlin, O Fröidh	A combined simulation-optimization approach for minimizing travel time and delays in railway timetables	Operations
F Yan, R Goverde	Combined line planning and train timetabling for strongly heterogeneous railway lines with direct connections	Operations
L Basso, F Feres, H Silva	The efficiency of bus rapid transit (BRT) systems: A dynamic congestion approach	Operations
X Tang, X Lin, F He	Robust scheduling strategies of electric buses under stochastic traffic conditions	Operations
H Manasra, T Toledo	Optimization-based operations control for public transportation service with transfers	Operations
K Gkiotsalitis, F Alesiani	Robust timetable optimization for bus lines subject to resource and regulatory constraints	Operations
Z Dai, X Ma, X Chen	Bus travel time modelling using GPS probe and smart card data: A probabilistic approach considering link travel time and station dwell time	Operations
Z Cao, A Ceder, D Li, S Zhang	Optimal synchronization and coordination of actual passenger-rail timetables	Operations
W Wang, J Liu, B Yao, Y Jiang, Y Wang, B Yu	A data-driven hybrid control framework to improve transit performance	Operations
S He, J Dong, S Liang, P Yuan	An approach to improve the operational stability of a bus line by adjusting bus speeds on the dedicated bus lanes	Operations
R Singh, D Graham, R Anderson	Characterizing Journey Time Performance on Urban Metro Systems under Varying Operating Conditions	Operations
K Keeling, T Glick, M Crumley, M Figliozzi	Evaluation of Bus-Bicycle and Bus/Right-Turn Traffic Delays and Conflicts	Operations
Y Liu, P Bansal, R Daziano, S Samaranayake	A framework to integrate mode choice in the design of mobility-on-demand systems	Ridership
S Meena, G Patil, A Mondal	Understanding mode choice decisions for shopping mall trips in metro cities of developing countries	Ridership
M Friman, R Maier, L Olsson	Applying a motivational stage-based approach in order to study a temporary free public transport intervention	Ridership
B Herrenkind, A Brendel, I Nastjuk, M Greve, L Kolbe	Investigating end-user acceptance of autonomous electric buses to accelerate diffusion	Ridership
S Lee, G Kim, S Wu, J Oh	Influence of ICT on Public Transport Use and Behaviour in Seoul*	Ridership
S Polzin, J Godfey	Understanding Ridership Trends in Transit*	Ridership
Y Fan, A Guthrie, A Khani, J Nowak	Multimodal Connections with Transitways: Ridership, Access Mode, and Route Choice Implications*	Ridership
T Ma, G Knaap	Estimating the Impacts of Capital Bikeshare on Metrorail Ridership in the Washington Metropolitan Area	Ridership
E Deschaintres, C Morency, M Trépanier	Analyzing Transit User Behavior with 51 Weeks of Smart Card Data	Ridership
A Viallard, M Trépanier, C Morency	Assessing the Evolution of Transit User Behavior from Smart Card Data	Ridership
R Abe	Introducing autonomous buses and taxis: Quantifying the potential benefits in Japanese transportation systems	Technology
J Ma, J Chan, G Ristanoski, S Rajasegarar, C Leckie	Bus travel time prediction with real-time traffic information	Technology
H Wang, L Li, P Pan, Y Wang, Y Jin	Early warning of burst passenger flow in public transportation system	Technology
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J Nile	Automated Vehicles Have Arrived: What's a Transit Agency to Do?*	Technology
Y Glazer, R Emerson	Location Aware Networks Optimizing Use of Transit Systems by Blind Travelers	Technology
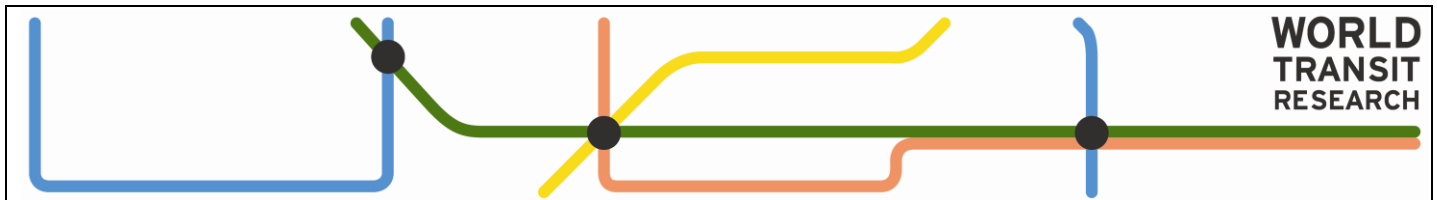
B Kumar, R Jairam, S Arkatkar, L Vanajakshi	Real time bus travel time prediction using k-NN classifier	Technology
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P Vinayak, Z Wafa, C Cheung, S Tu, A Komanduri, J Overman, D Goodwin	Using Smart Farecard Data to Support Transit Network Restructuring: Findings from Los Angeles	Technology
S Li, L Chen, P Zhao	The impact of metro services on housing prices: a case study from Beijing	Economics
S Sun, W Szeto	Optimal sectional fare and frequency settings for transit networks with elastic demand	Economics
R Shah, H Orvedal, M Gilstrap, M Sarna	FTA Market Conditions Research: Recommendations for Improving Transit Industry Cost Estimation*	Economics
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Z Liu, Z Song, Y He	Economic Analysis of On-Route Fast Charging for Battery Electric Buses: Case Study in Utah	Economics
S Peirce, J Cregger, E Burkman, H Richardson, E Machek, S Mortensen, K Mahavier	Assessing the Transit Agency Business Case for Partial and Full Automation of Bus Services	Economics
J Schwieterman	Uber Economics: Evaluating the Monetary and Travel Time Trade-Offs of Transportation Network Companies and Transit Service in Chicago, Illinois	Economics
K Wu, S Guler	Estimating the impacts of transit signal priority on intersection operations: A moving bottleneck approach	Infrastructure
L Eudy, M Jeffers	Foothill Transit Agency Battery Electric Bus Progress Report*	Infrastructure
A Nordelöf, M Romare, J Tivander	Life cycle assessment of city buses powered by electricity, hydrogenated vegetable oil or diesel	Infrastructure
Y Lin, K Zhang, Z Shen, B Ye, L Miao	Multistage large-scale charging station planning for electric buses considering transportation network and power grid	Infrastructure
H Haitao, K Yang, H Liang, M Menendez, S Guler	Providing public transport priority in the perimeter of urban networks: A bimodal strategy	Infrastructure
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D An, X Tong, K Liu, E Chan	Understanding the impact of built environment on metro ridership using open source in Shanghai	Land use
M Padeiro, A Louro, N da Costa	Transit-oriented development and gentrification: a systematic review	Land use
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M Walk, J Cardenas, K Miller, J Alvarez, S Davis, P Hadley	Managing the Transit Scheduling Workforce A Synthesis of Transit Practice*	Organisation
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